



A Productive Alliance

Colorado plays an integral role in NASA's mission. Over the years, successful partnerships between NASA and Colorado's industry and academia have benefited the Centennial State, the U.S. Space Program, and America's continuing quest to explore our universe and better our lives here on Earth.

Colorado's Role in Project Constellation

NASA continues to foster its strong relationship with Colorado's academic, business, and industry sectors as we continue to bring Project Constellation to reality. Building on the successes of the Apollo and Space Shuttle missions, the Orion Crew Exploration Vehicle and the Ares I & V rockets will be the next generation space vehicles that will return humans to the moon and later take them to Mars and other destinations.

Colorado is playing a vital role in creating America's next-generation spacecraft. Arcata Assoc, Inc and Orbital Sciences Corporation, both in Lakewood; Lockheed

Martin in Littleton; Honeywell in Denver; and Paragon Space Development Corporation in Denver are working on the Orion capsule while Kaman Aerospace Corporation in Colorado Springs is working on the Ares I Launch Vehicle's Upper J-2X Stage Engine.

Other NASA Activities in Colorado

According to the Colorado Space Coalition, Colorado ranks third in the nation in private aerospace employment and is home to more than 300 aerospace companies. Colorado ranks second in the nation for private aerospace employment concentration.

NASA Contract Obligations in Colorado for Fiscal Year 2007

Business*	\$286,308,988
Education	\$59,500,851
Non-Profit Institutions	\$8,840,238
Total	\$354,650,077

* Total Large and Small Business Obligations

Colorado-Based NASA Business Contracts Exceeding \$2M for Fiscal Year 2007

Contractor	Location	Number of Contracts	Total FY 2007 Obligations
Ball Aerospace & Technologies Corp	Broomfield and Boulder	17	\$71,341,813
CounterTrade Products Inc.	Arvada And Boulder	74	\$2,351,614
Lockheed Martin Corporation	Littleton, Lone Tree, and Denver	16	\$192,023,609

NASA and Colorado



Education & Discovery

Nurturing education—and educators—aids NASA missions and provides incalculable value to Colorado's youth. Through these efforts, NASA powers inspiration that encourages future generations to explore, learn, and build a better future. The Agency's emphasis on education is seen through its generous commitments to educational institutions in the state.

Colorado-Based NASA Education Funding Exceeding \$1M for Fiscal Year 2007

School	Location	Total FY 2007 Obligations
Colorado State University	Fort Collins	\$8,964,733
University Corporation for Atmospheric Research	Boulder	\$1,260,205
University of Colorado	Boulder	\$48,249,715

Funding Inspiration and Discovery

NASA's academic grants and contracts fund a variety of programs in Colorado including research, education and outreach. The **University of Colorado at Boulder** received \$590,000 in FY07 as part of the Space Grant Consortium, a coalition between NASA, Colorado colleges and universities, and other institutions representing aerospace education and research activities.

The **University of Colorado at Boulder** is the single largest recipient of NASA university research dollars in the nation.

NASA Explorer Schools

In addition, NASA supports preparatory education through the NASA Explorer Schools (NES) program. The NES program establishes a three-year partnership between NASA and local schools to bring NASA's engaging mathematics, science, and technology learning to educators, students, and families. Currently, **Fox Meadow Middle School** in Colorado Springs is participating in the program.

Astronauts with ties to Colorado

Current: CAPT Jeffrey Ashby; Col. Eric Boe; Mr. Vance Brand; Col. John Casper; Col. Alvin Drew, Jr.; Lt. Col. James Dutton, Jr.; Ms.

Marsha Ivins; Col. Gregory H. Johnson; Col. James Kelly; Col. Steven Lindsey; Ms. Dorothy Metcalf-Lindenburger; Dr. Scott Parazynski; Dr. Steven Swanson; Col. Terry Virts, Jr.

Former: Col. John Blaha; Col. Michael Bloomfield; Col. Karol Bobko; Maj. Gen. Roy Bridges, Jr.; Col. Curtis Brown, Jr.; Mr. Scott Carpenter; Col. Gerald Carr; Dr. Kalpana Chawla[†]; Lt. Gen. Kevin Chilton; Dr. Mary Cleave; Col. Richard Covey; Col. Brian Duffy; Dr. Samuel Durrance; Dr. Martin Fettman; Mr. Dale Gardner; Mr. Guy Gardner; Col. Ronald Grabe; Col. Frederick Gregory; Lt. Col. William Gregory; Col. Sidney Gutierrez; Col. James Halsell, Jr.; Col. Blaine Hammond, Jr.; Col. Susan Helms; Col. Terence "Tom" Henricks; CDR John Herrington; Mr. Richard Hieb; Dr. Thomas Jones; Col. Kevin Kregel; Col. Mark Lee; Mr. John "Mike" Lounge; Col. Donald McMonagle; Col. Ellison Onizuka[†]; Maj. William Pailles; Maj. Gary Payton; Col. Charles Precourt; CAPT Kent Rominger; Col. Stuart Roosa; Col. Richard Searfoss; Dr. Ronald Sega; Col. Loren Shriver; Mr. John Swigert; Dr. James "Ox" van Hoften; Mr. Charles Veach; COL James Voss

* Deceased

† Died in the line of duty

NASA and Colorado